

**Autumnwood ESH Consultants, LLC**

6539 Autumnwood Court
Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

21 May 2015

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Monthly Progress Report for April 2015

Dear Mr. Nordine:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of April 2015.

The eDMR for the groundwater pump and treat facility and the laboratory analytical reports, which includes the effluent data used in the eDMR for April 2015, are also attached to this report.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Thomas Hanewald	Central Wire
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
April 2015

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 435,000 gallons per day with a maximum daily flow of 453,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for April 2015 is attached to this report.

Maintenance on the tray aeration system was completed in the first week of May. It is currently pumping at a rate of about 820,000 gallons per day.

The laboratory analytical report for the pump and treat effluent noted that the groundwater pump & treat effluent samples arrived at the lab on April 16, 2015 at 1.8° C.

The groundwater level monitoring data from downgradient monitoring well DGW-2I for April 2014 and precipitation over the month have been graphed/plotted and is attached to this report. Over April 2015, the groundwater elevation varied between a high on April 2, 2015 of 815.759 feet above MSL to a low of 813.797 feet above MSL on April 12, 2015 for a variation of 1.962 feet.

Summary of Validated Data and Results – The monthly effluent sampling took place on April 15, 2015. The permit limitations and analytical results are shown below.

Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum), µg/L	April 2015 2015 Analytical Results, µg/L
1,1,1-Trichloroethane	20	0.0014
Trichloroethene	20	0.0013
Tetrachloroethene	20	0.00017

The April NPDES analytical report is attached to this Monthly Progress Report.

Central Wire added two additional Geoprobe points to their efforts to define the leading edge of the chlorinated plume. Back in January 2015, Central Wire had added GP-23 and GP-24 and found one EPA Maximum Contaminant Limit (MCL) exceedance at GP-23 in the shallow sample at 27 feet below ground surface where 1,1-DCE was found at 8.6 µg/L, above the MCL of 7 µg/L. As a result, the USEPA requested Central Wire to place two more Geoprobe points downgradient from GP-23 and GP-24 and sample the South Branch Nursery irrigation well. In April 2015, GP-25 and GP-26 were placed and Central Wire sampled the groundwater at each location at three depths - 27, 57 and 85 feet below

ground surface. Toluene, which is not a chemical of concern, was found in very low levels at GP-25D, GP-26S and GP-26D. The only detected chemicals of concern were all found below the MCLs and all were found in GP-26S: 1,1-Dichloroethane at 0.00082 J µg/L, cis-1,2-dichloroethene at 0.00070 J µg/L and 1,1,1-Trichloroethane at 0.001 µg/L. There were no detections in the irrigation well.

This report also had environmental analytical results for the North Pond and South Pond. These ponds are Illinois EPA regulated seepage ponds for Central Wire's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and storm water and not applicable to this monthly progress report.

2. **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected and analyzed as required in our NPDES permit.

Semiannual RCRA groundwater monitoring well and residential well samples will be collected in June 2015.

3. **Anticipated Problem Areas and Recommended Solutions** – None.

4. **Key Personnel Changes** – None.

5. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.